

20021217.qrp v02_n772.qrl.20021217

Date: Tue, 17 Dec 2002 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2772

QRP-L Digest 2772

Topics covered in this issue include:

- 1) [142345] Re: Washington Post Article on Amateur Radio
by "Jim Stamper" <jstamper@shentel.net>
- 2) [142346] WTB: Used Powerbook or Parts
by wkhibbert@juno.com
- 3) [142347] Re: OT: DX Packet
by Bob Nielsen <nielsen@oz.net>
- 4) [142348] Attention Iowa QRP'ers
by "Burnley" <nu0v@arrl.net>
- 5) [142349] FS: TenTec Filters/960 PS/301 Remote
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
- 6) [142350] 4th Annual 2003 QRP Contest Calendar for QRP'ers
by "Ron Polityka" <wb3aal@fast.net>
- 7) [142351] Re: Washington Post Article on Amateur Radio
by "Ron KU7Y" <ku7y@tds.net>
- 8) [142352] Ham radio demos for cub scouts
by "Mike Mullins" <mmullins@mastnet.net>
- 9) [142353] Re: Done! 5B-DXCC!
by "Pat Whelton" <pwhelton@earthlink.net>
- 10) [142354] Re: [142329] Re: Model airplane servos for controlling remote
antenna tuner?
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 11) [142355] OT: Echolink
by "W2WU" <w2wurjj@verizon.net>
- 12) [142356] RE: Done! 5B-DXCC!
by "Ward Silver" <hwardsil@centurytel.net>
- 13) [142357] Re: OT: Echolink
by JD Delancy <W1JD@drix.net>
- 14) [142358] Free Asst "manuals"
by "Michael Melland" <w9wis@charter.net>
- 15) [142359] Free Manuals Gone....
by "Michael Melland" <w9wis@charter.net>
- 16) [142360] FS: Ten-Tec 1320 Portable QRP CW Transceiver
by Lourette <lourette@localnet.com>
- 17) [142361] FS
by "Dave Martin" <k2zu@seanet.com>
- 18) [142362] OT: Satellite Internet Connection
by Jeff Grudin <grudin@vdb.com>

- 19) [142363] Neophyte / Whitman's -- Done!
by Adrian Weiss <adeweiss@sd.value.net>
- 20) [142364] Re: Washington Post Article on Ham Radio
by George Gingell <k3tks@u1.abs.net>
- 21) [142365] ARGONAUT SS-475
by George Gingell <k3tks@u1.abs.net>
- 22) [142366] Comdac Speaker
by "Francis Callahan" <colcal@srv.net>
- 23) [142367] Heathkit RLC bridge
by Alex <kr1st@amsat.org>
- 24) [142368] 10m results
by Gary Lee <kb9zuv@arrl.net>
- 25) [142369] Re: Neophyte / Whitman's -- Done!
by David Hinerman <WD8CIV@worldnet.att.net>
- 26) [142370] RE: Washington Post Article on Amateur Radio
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 27) [142371] RE: Washington Post Article on Amateur Radio
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 28) [142372] Re: Heathkit RLC bridge
by "E. Roswell" <eroswell@monmouth.com>
- 29) [142373] Now Showing - The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 30) [142374] Re: Washington Post Article on Amateur Radio
by Alex <kr1st@amsat.org>
- 31) [142375] RE: Filter Parameter (follow-up)
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 32) [142376] Re: Heathkit RLC bridge
by Alex <kr1st@amsat.org>
- 33) [142377] RE: Heathkit RLC bridge
by "AI2Q Alex" <ai2q@adelphia.net>
- 34) [142378] Re: OT: Echolink
by Bruce Rattray <rattray@gpfn.sk.ca>
- 35) [142379] FS
by "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
- 36) [142380] RE: Washington Post Article on Amateur Radio
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 37) [142381] OT: wanted AADE meter/trade 630VOM
by "kw3u@warwick.net" <kw3u@warwick.net>
- 38) [142382] QST article query
by "kw3u@warwick.net" <kw3u@warwick.net>
- 39) [142383] Re: Heathkit RLC bridge
by "Prof. Arnaldo Coro Antich" <inforhc@ip.etecsa.cu>
- 40) [142384] Antenna setup help - long
by KD5NWA <KD5NWA@cbayona.com>
- 41) [142385] Want: MFJ 2 mtr SSB Xcvr
by WA6GER@aol.com
- 42) [142386] For Sale
by "Hartwell, Martin E, ALCAS" <mehartwell@att.com>

- 43) [142387] Re: FS: Ten-Tec 1320 Portable QRP CW Transceiver
by IamSF5@aol.com
- 44) [142388] Re: Antenna setup help - long
by "Bob Schreibmaier" <k3ph@ptd.net>
- 45) [142389] OT: Sept. 1994 QST
by <ac7a@earthlink.net>
- 46) [142390] Re: OT: Sept. 1994 QST
by Marty and Vickie Rosenzweig <marty@cmn.net>
- 47) [142391] Re: Antenna setup help - long
by <sjolin@swbell.net>
- 48) [142392] Thank You EchoLink
by "W2WU" <w2wurjj@verizon.net>
- 49) [142393] Re: Washington Post Article on Amateur Radio
by Alex <kr1st@amsat.org>
- 50) [142394] RE: Heathkit RLC bridge
by "Hubert Smits" <hubert.smits@btinternet.com>
- 51) [142395] Re: Echolink
by "George, W5YR" <w5yr@att.net>
- 52) [142396] Re: Heathkit RLC bridge
by "George, W5YR" <w5yr@att.net>
- 53) [142397] RockMite lives
by n5ib@juno.com

Date: Mon, 16 Dec 2002 19:04:57 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142345] Re: Washington Post Article on Amateur Radio
Message-ID: <002501c2a55f\$f1995830\$3e1c6fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In fairness, the article pointed out there are other points of view in the amateur ranks than the "dumbing down" and "giving the licenses away" and pointed out that public service opportunities are attracting new hams.

The shack pictured in the story--don't know if you could see it well on the internet version--had the operating position way over on its right side. Focal point of the picture was a huge rats nest of assorted cables hanging over a cabinet.

For most of my ham career I have enjoyed CW traffic handling and been a little bit scornful of the no-code technicians. After 9-11 I bought my very first 2 meter rig and had my eyes opened. Every night there is, by HF standards, a huge traffic and training net on the Bluemont repeater. It

covers from the DC suburbs to the West Virginia panhandle, part of Maryland and a good bit of the Shenandoah Valley. The net is part of the NTS and always has liaisons reporting in from both the SB and CW HF nets. The net discipline is awesome. They handle lots of traffic, do it well and very seriously. The contrast with some of the 75 meter SB nets is remarkable.

These guys are mostly no-code technicians and, from their prefixes, fairly recently licensed hams. I was recently appointed EC for our county and, if we ever have a "real" emergency in this neck of the woods I will be very grateful to have these boys and girls around.

73,
jim-
KG4LDY

Date: Mon, 16 Dec 2002 19:17:40 -0500
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [142346] WTB: Used Powerbook or Parts
Message-ID: <20021216.191741.-642517.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

I just received a Mac Powerbook 5300ce from one of my younger brothers. After a trip to the shop, it ends up that I need a new keyboard and a new floppy drive. Someone had plugged the wrong battery pack into the beast and cooked the charge regulator (fixed and OK now) and fried the traces to the power switch.

I can start the Powerbook up with an external switch on the ADB connector, but would prefer to get it working in the "stock" condition.

Drop me a line here at this account or over at wb2vuo@arrl.net.

Thanks.

73, Wm. Keith Hibbert, WB2VU0, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

Sign Up for Juno Platinum Internet Access Today

Only \$9.95 per month!
Visit www.juno.com

Date: Mon, 16 Dec 2002 16:43:36 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [142347] Re: OT: DX Packet
Message-ID: <20021217004336.GA1268@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Dec 16, 2002 at 05:31:00PM -0500, Royce Simmons wrote:
> Hi,
>
> I know this is not the place to ask but I know someone can help me. You
> guys seem to know all sorts of things.
>
> ARRL has quit publishing the Packet Radio book describing how to set up a DX
> packet reporting station. Anyone
> have a book for sale or can someone point me to where I can get details on
> this type of operation?

The details typically are furnished with the software instructions.
Here are some links which can provide you with more information:

<http://www.cestro.com/cccluster/> (Information on the original AK1A PC-Cluster)
<http://www.ab5k.net> -- AR-Cluster (MS Windows)
<http://www.dxcluster.org/main/index.html> -- DX-Spider (Windows or Linux, free)

Each of these is (mostly) compatible with the others for networking.
There are a few other programs, but these are the ones which appear to
be most popular. There are mailing lists for each of these.

73, Bob N7XY

Date: Mon, 16 Dec 2002 18:56:39 -0600
From: "Burnley" <nu0v@arrl.net>
To: <qrp-1@lehigh.edu>
Subject: [142348] Attention Iowa QRP'ers
Message-ID: <001a01c2a567\$28c1cfc0\$6401a8c0@mchsi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hey guys and gals, we miss you.....literally. When the transition was made to our new IAQRP-L list, many didn't make the transition. We miss your comments and posts and want to make sure you get back on the list. Information on subscribing can be found at:

<http://mailman.qth.net/mailman/listinfo/iaqrp-l>

We hope to see you folks back on the list soon!

72/73, John NU0V

Date: Tue, 17 Dec 2002 01:00:25 -0000
From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
To: QRP Fanatics <qrp-l@lehigh.edu>, TenTec List <@buffalo.edu>
Subject: [142349] FS: TenTec Filters/960 PS/301 Remote
Message-ID: <211058466.1040086825@K2Q0>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hi Gang,

I have the following TT items for sale.

1. TenTec Filters: 218 (1.8 kHz), 217 (500 Hz), 285 (500 Hz) and 282 (250Hz).

\$65 each + \$3 USPS, or the whole lot for \$230 and I will pay the shipping.

2. TenTec Model 960 Power Supply/Speaker, looks great and works great!

\$110 + actual shipping cost.

3. TenTec Model 301 Remote Knob for Omni 6. Very slick item to place on your keyboard tray! LN

\$85 including shipping.

THANKS es 73,

Mark K2Q0

Mark S. Adams, P.E.
University at Buffalo
Occupational and Environmental Safety
220 Winspear Avenue
Buffalo, NY 14215-1034
Tel: 716.829.3707 ext. 25 Fax: 716.829.2704
Cell: 716.863.7229

Date: Mon, 16 Dec 2002 20:03:00 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [142350] 4th Annual 2003 QRP Contest Calendar for QRP'ers
Message-ID: <000701c2a568\$0c66ca00\$f0655cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Check out the 4th Annual QRP Contest Calendar for the
QRP'er if you like to operate the QRP Contest.

This years theme is QRP Clubs with club calls. Each month
will feature a different QRP clubs that has a club call.

Check out www.n3epa.org and click on the link to the calendar.

72 & Good DX
Ron de WB3AAL
wb3aal@fast.net
www.n3epa.org

Date: Mon, 16 Dec 2002 18:13:48 -0700
From: "Ron KU7Y" <ku7y@tds.net>
To: <w1rifi@arrl.org>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142351] Re: Washington Post Article on Amateur Radio
Message-ID: <017901c2a569\$91d06ce0\$409eaad8@ku7y>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ed,

But when you give a bit of the history of amateur licensing you should give the whole picture, not just that from one period of time.

Before you took your test the test were in fact harder. You even had to draw schematics!

Then the tests were made easier and after that they went up hill a ways.

(I too know Ed and we really are friends. We have covered this in length over several cups of coffee over the years!) :-)

Oh, in case you haven't had the pleasure of meeting Ed, he really is a very nice guy and one of the best spokesmen for the ARRL and the hobby in general.

OK, back in my hole.....

73,

Ron, KU7Y
ku7y@qsl.net
Brenda, AZ (or somewhere close!)
<http://www.qsl.net/ku7y>

Date: Mon, 16 Dec 2002 19:33:00 -0600
From: "Mike Mullins" <mmullins@mastnet.net>
To: "QRP-L post message" <qrp-l@lehigh.edu>
Subject: [142352] Ham radio demos for cub scouts
Message-ID: <000b01c2a56c\$69719e60\$7317bbd0@downstairs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This Saturday some members of my local club did a ham radio demonstration for a group of camping cub scouts. This is the third one I've participated in. To my surprise, the big hit with the kids is always Morse Code. This time I put together a box with a Sonalert buzzer and a bunch of 10mm LED's

so that I could have a separate CW demonstration. I hook up the box to my Tick keyer housed in an Altoids box. I sit each child down and show them how to send their name. Then I use their fingers to send the characters, and finally I have them try it on their own. Most kids ask to open the Altoids box. For the most part, the kids are completely fascinated. Next time I plan to make a big poster with all of the CW characters. I also had a Noreaster tuned to WWV. The sound output to a small speaker is adequate in a quiet shack, but needs a boost in a noisy outdoor environment. By the way, I power mine with 4 AA cells, and short out the 5V power regulator. I simply fastened the bare board to a piece of wood so that it was apparent how simple the radio is. I also brought along one of my Emtech QRP rigs, and I have the top open.

The other club members had a slow-scan TV demo going. That went well except for two pictures which certainly weren't appropriate for our audience.

I'm not sure if any of these dozens of kids will become hams, but I'm hoping...

73 de Mike KD5CMN

Date: Mon, 16 Dec 2002 19:36:50 -0600
From: "Pat Whelton" <pwhelton@earthlink.net>
To: <ae5x@qsl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142353] Re: Done! 5B-DXCC!
Message-ID: <005401c2a56c\$c5a26340\$9045ce18@Earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Congratulations John. You should be very proud of your accomplishment especially at QRP power.

Pat - KZ5J
----- Original Message -----
From: John Harper AE5X <ae5x@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 15, 2002 9:57 PM
Subject: OT: Done! 5B-DXCC!

> Well, worked anyway...still need a few cards.

>

> It wasn't QRP (100 watts and an inverted V) but I just completed a goal that
> I thought I'd never be able to finish and I'm a happy camper tonight. Just
> got Kaliningradsk on 80 meters for my 100th on that band, 2 1/2 years after
> putting up my first-ever antenna for 80. I already had over 100 confirmed on
> the other 4 bands but thought it would be impossible on 80 with such a low
> antenna. All 500 band-countries were worked with either an 80m inverted V or
> a 40m dipole fed with ladder line that I use on 10m thru 40m.
>
> Lots of non-QRPer's believe that DX is not workable with 5 watts. Here on
> QRP-L, we know otherwise. A lot of DXers will tell you that consistent DX on
> the low bands requires a vertical antenna or a very high horizontal antenna.
> Another myth!
>
> John Harper AE5X
> Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>
>
>
>
>

Date: Mon, 16 Dec 2002 21:07:47 -0500 (EST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: bshort4@cox.net
Cc: qrp-l@Lehigh.EDU
Subject: [142354] Re: [142329] Re: Model airplane servos for controlling remote antenna tuner?
Message-ID: <200212170207.gBH271X28490@panix2.panix.com>

Thanks for the URL's, they're great.

Date: Mon, 16 Dec 2002 19:49:42 +0000
From: Brian Short <bshort4@cox.net>

I have used RC servos in my robotics experiments. They are controlled by a periodic pulse of 1-2ms (1.5ms = center).

References below show the 555 circuits to which you allude, but these days microcontrollers are used to control them (eg PIC, AVR, etc). There are "serial servo controllers" which

accept RS-232 serial commands and position a set of servos.

Since I'll just be tweeking the ATU by hand, a pot controlling a 555 should do the trick nicely.

It is important to consider the amount of torque required. Those with higher torque get expensive.

You seem to have looked at the 4 for price for the highest-torque servo on the "Radical Servos" site, they're \$88 for 4, \$22.50 each. That's not too bad.

Sounds like a really interesting project. I would be curious to know what you decide to do?

OK, when I figure out what I'm doing, I'll let you know. It'll probably be a while.

A young friend who's also interested in robotics suggested that I use stepper motors from old floppy drives, and have one in the ATU and another in parallel in the shack to act as an indicator. He say they can be hand controlled with three IC's.

73, doug

Date: Mon, 16 Dec 2002 21:11:01 -0500
From: "W2WU" <w2wurjj@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142355] OT: Echolink
Message-ID: <000701c2a571\$a36c9c0\$c400a8c0@vaio>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone experience with this program? Any recommendations what folder it works best in with a Win98 O/S? 73, Ron

Date: Mon, 16 Dec 2002 18:18:15 -0800
From: "Ward Silver" <hwardsil@centurytel.net>
To: <qrp-1@lehigh.edu>
Subject: [142356] RE: Done! 5B-DXCC!

Message-ID: <05f301c2a572\$8e8c7660\$7ca9fea9@MRKNOWITALL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a great feeling, huh? When that last QSO goes in the log, it's a moment to savor.

I know a few folks have done it QRP - AA2U comes to mind - but it's a daunting task as you get farther from Europe. It *can* be done with persistence, I'm sure. One tip for 80-m QRP DXers is that a most important time to be on is sunrise. Your sunrise AND their sunrise. There is a dramatic peak to the west both on 160-meter and 80-meters around local dawn.

I have a couple of you-had-to-be-there 80-meter QSOs to Africa from way up here "in the corner pocket" (Seattle area) that happened as sunrise was sweeping across Africa. The opening (and opportunity) was 5-10 minutes at best. The signals are still there at other times, but getting through with QRP just isn't going to happen. Similarly to the west, be one for an hour centered on sunrise at your QTH. Have the rig ready to go, antenna tuned, and tune, tune, tune. Don't wait for packet to spot it because you're at the back of the line - be the one to find 'em and spot 'em! (Then add, "got 'em QRP" to the spot, hihi.)

Lest you think I have some huge antenna, it's just a half-sloper with the top at 50' fed against a tower - I have one to the east and one to the west. Sloping dipoles would also work well.

Sorry for the ramble, but I'm anticipating more low-band action in the next few years. There's a lot of DX out there to work!

73, Ward NOAX

Date: Mon, 16 Dec 2002 21:19:39 -0500
From: JD Delancy <W1JD@drix.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142357] Re: OT: Echolink
Message-ID: <3DFE89BB.5090202@drix.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Keep mine in a folder called "EchoLink" on the partition that does not have the O/S
and not under program files

W2WU wrote:

> Has anyone experience with this program? Any recommendations what folder it
> works best in with a Win98 O/S? 73, Ron
>
>
>

Date: Mon, 16 Dec 2002 20:37:42 -0600
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
 <njqrp@njqrp.org>, <fpqrp-l@fpqrp.com>
Subject: [142358] Free Asst "manuals"
Message-ID: <001301c2a575\$47dcbb00\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hate to throw this stuff out.... anyone want it ? All good photo copies
of manuals. Much of this is vintage stuff... Just send me postage. \$1
should do...

Atlas 210X/215X Manual

Heathkit Universal Power Supply - EUW-15

B&K 162 Transistor / FET tester

Timewave DSP 59+

B&K Dyna-Jet Model 606 Tube Tester

B&K Test Equipment Calibrator Model 750 (this is an antique!)

Ten-Tec PM3/PM3A with AC-4 and AC-5 manuals (sheets)

Laminated operation instruction section for Ten-Tec 509

--

Michael Melland, W9WIS

Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Mon, 16 Dec 2002 22:31:59 -0600
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
<fpqrp-l@fpqrp.com>, <njqrp@njqrp.org>
Subject: [142359] Free Manuals Gone....
Message-ID: <002801c2a585\$3e352960\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Header said it all..... glad they have found new homes.

Mike

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Tue, 17 Dec 2002 00:09:33 -0500
From: Lourette <lourette@localnet.com>
To: qrp-l@Lehigh.EDU
Subject: [142360] FS: Ten-Tec 1320 Portable QRP CW Transceiver
Message-ID: <5.1.1.6.0.20021217000920.02004010@mail.localnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ten-Tec 1320 Portable QRP CW Transceiver.

Enjoy the world of QRP CW with this wonderful quality rig. This super-hot rig is currently tuned from approximately 14.020 - 14.070, which covers the QRP watering hole. It is great for taking camping (although this one never saw the outside of my shack). See my Ebay ad for more details.

Rich (AB2MD@arrl.net)

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1946200212>

--

Richard Lourette
AB2MD@arrl.net
lourette@localnet.com

Date: Mon, 16 Dec 2002 21:44:08 -0800
From: "Dave Martin" <k2zu@seanet.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [142361] FS
Message-ID: <000501c2a58f\$5228b0e0\$40a12640@davemartin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One month old Z-11 tuner. \$150 shipped conus. If interested please email off the list. Thanks and 73.
Dave K2ZU

Date: Mon, 16 Dec 2002 22:11:06 -0800
From: Jeff Grudin <grudin@vdbbs.com>
To: qrp-l@lehigh.edu
Subject: [142362] OT: Satellite Internet Connection
Message-ID: <000001c2a593\$16d887a0\$039bae40@grudin>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

I am looking for someone that has either Starband or Direcway 2 way satellite internet connectivity. If you have this, please contact me off the list.

Thank you.

73 de AC6KW <mailto:jeff@grudin.net>
Jeff Grudin, DVM Web Add: <http://www.grudin.net>

Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Montgomery 23 Hull #072 Norcal QRP * QRP-L * ARS * AR Qrp

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.419 / Virus Database: 235 - Release Date: 11/13/2002

Date: Tue, 17 Dec 2002 00:55:15 -0800 (PST)
From: Adrian Weiss <adeweiss@sd.value.net>
To: <qrp-l@lehigh.edu>
Subject: [142363] Neophyte / Whitman's -- Done!
Message-ID: <1099.65.217.92.235.1040115315.squirrel@mail.sd.value.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hi all:

I finally finished my Neophyte project -- you old-timers recall 1988 when the design appeared in QST and changed the course of QRP rigs for a while?

That's when I got my kit. I set it up on 80 and then 40, and then put it on 20m. Wow! what a performer -- despite the b.c. feedthru. At any rate, I'd take it out every now and again and give it a twirl. Always impressive -- temporarily mounted on part of a minibox which housed the variable cap for tuning the v.f.o. Never did anything more -- until last week, standing in a check-out line, my eyes glided across this beautiful gold Whitman's sampler tin -- \$1.49 and a minute later, I was ready for action. Funny how figuring out squeezing a pcb into a tin can take so long. I eyeballed for about 4 hours the first night just deciding whether to hack off 1/4" from the pcb to make it fit across the short dimension of the tin, and then across the long dimension. That turned out to be the best way. The trouble with the overlapping lids is that the mounting holes have to be just right so that the lid will close flush, but the mounted part doesn't jam into the pcb! Overall, about 7 hours to line everything up and figure out how to mount the 9v batt. inside. RCA phono plugs are the best for coax connections in these circumstances IMHO. Actually, it's kind of fun trying to be precise despite failing eyesight.

Got it all together and mounted a trimmer pot on the RCA phono plug for the final touch.

It's hot, and generally can reduce the r.f. gain to get rid of almost all of the b.c. cross-mod.

The v.f.o. -- well, stability isn't it's strong suite! Interesting tho. For a while it will sit solid on freq., and then turn into a bit of a scanner.

I did it for two reasons -- to use the tin, naturally! But also to have something to take along anywhere with a bit of wire and have a listen to 20m cw. Still shirt pocket size, but not as compact as an Altoids. But there was no way of getting pcb and batt. inside the Altoids. Then again, there's a lot of wasted space on the Small Parts Center pcb, so a redesign of the pcb and a change of a few parts might make it fit.

These projects are so much fun to do and then to use!

Well, it took 14.5 years to get the job done, and I'm glad I waited for the right tin!

72, Ade W0RSP

Date: Tue, 17 Dec 2002 02:16:36 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [142364] Re: Washington Post Article on Ham Radio
Message-ID: <20021217020923.U78830-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The one thing you will have missed just reading the article is the Photo of His Ham Shack. Not much better than mine. :^} I am pretty sure that he is a QRO Operator, There was a six foot rack that you could only see the side and vents. I doubt if it was filled with Argonauts. :^} He also had lots and lots of test leads and various caples jammed up in the corner. No exactly Mr. Neatness.

Main rig appeard to be old Collins. Definatly Glo-bug stuff.

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations Accepted.

RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Tue, 17 Dec 2002 02:24:37 -0500 (EST)
From: George Gingell <k3tk@u1.abs.net>
To: QRP List <grp-l@Lehigh.EDU>
Subject: [142365] ARGONAUT SS-475
Message-ID: <20021217021641.C78830-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

No I am not selling a Ten-Tec Argonaut, just passing along a little tidbit that I learned today at the bookstore. I ran into a gent wearing one of those Navy Baseball caps. "ARGONAUT SS 475" Yep, boys and girls there was even a Submarine named ARGONAUT. She went down in the battle of the Coral Sea. The gent was on it when it was commissioned. I just thought that it was a pretty neat hat.

I watched all of those "Victory at Sea" films as a kid, but don't remember hearing of the Argonaut.

Maybe some of the Sub jockeys here can tell more about it. I know NA5N was one of them. I suspect that others are on here also.

Ten-Tec should definately have one of those hats in the museum. :^}

QRPp Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
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RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Tue, 17 Dec 2002 03:27:26 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [142366] Comdac Speaker
Message-ID: <002001c2a5b6\$e6d5d700\$94ca1341@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recieved my comdac speaker that Dave Ingram K4TWJ tells about in the Dec CQ
and it is really great the sound is super and a great match for the FT817. It
is a great buy for \$9.95 plus shipping. No financial interest 72 Cal KF7ET
misplaced Vermonter in Idaho

Date: Tue, 17 Dec 2002 08:30:57 -0500

From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142367] Heathkit RLC bridge
Message-ID: <3DFF2711.8565B0E0@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi there,

I'm from the post-Heathkit era, so I know very little about this company. From what I do know, I wish they were still around.

Anyway, I picked up this RLC bridge at a yard sale for 3 bucks and it is in immaculate shape. It had only a few stains that were easily removed with a wet paper towel, and two very very thin scratches on the meter that could easily be removed if I were really bothered by it. I opened it up because I thought that it probably could use a cleaning on the inside. Not a speck of dust! I took the PCB board out to inspect the solder connections. Textbook work, and the solder was still as shiny as if it was built this morning.

Now someone told me that Heathkit also used to sell their kits as ready built products. I was wondering if anyone on here would know if that was also true for their RLC bridges.

Thanks and 73,
--Alex KR1ST

Date: Tue, 17 Dec 2002 09:00:13 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-1@lehigh.edu
Subject: [142368] 10m results
Message-ID: <3.0.6.32.20021217090013.007b8430@mailhost.ind.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, getting better. This was my second contest. Unfortunately, couldn't use the k2. Problem with the auto tuner. Going to work on that tonight.

mode qrp mixed single-op
qsos 54; 40 cw 14 ph
time: about 8 or so hours
qso points 188
mults 21
score 3948

highlights were working zf2nt sunday, and learning that 10 doesn't die after sunset as most of the club members around here think. Worked several texans and 2 from la around 02:00 Sunday morning. Locations is east-central indiana, used the ts2000 at 5w on a 90 foot half sloper.

I have decided that contesting is tougher with no software and only a streight key.

Gary Lee
Ball State University
765-285-1310

Date: Tue, 17 Dec 2002 09:26:35 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [142369] Re: Neophyte / Whitman's -- Done!
Message-ID: <5.1.1.6.1.20021217092226.00a60d70@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Never did anything more -- until last week, standing
>in a check-out line, my eyes glided across this beautiful gold Whitman's
>sampler tin -- \$1.49

Ade,

I can't believe they sell those project boxes for only \$1.49, and they give you free candy samples to boot! (Grin)

>Still shirt pocket size, but not as compact as an Altoids. But
>there was no way of getting pcb and batt. inside the Altoids.

You were able to get a battery inside the Whitman's box, then?

Dave

A Real Programmer can write FORTRAN in any language.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 17 Dec 2002 09:37:54 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: <ki6ds@dph.dpol.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142370] RE: Washington Post Article on Amateur Radio
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ED0FC@kosh.ARRLHQ.ORG>
Content-Class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> Ed, maybe you are the reason that they changed the exam, grin.
>=20
> (Note, Ed Hare and I are old friends, and he knows that I am=20
> just having fun
> with him. I just could not let this opportunity pass.)

Now, Doug, you should have left the disclaimer off. I like it much =
better when everyone sees you as a curmudgeon! :-)

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Doug Hendricks [mailto:ki6ds@dph.dpol.net]
> Sent: Monday, December 16, 2002 5:58 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Washington Post Article on Amateur Radio
>=20
>=20
> Ed, maybe you are the reason that they changed the exam, grin.
>=20
> (Note, Ed Hare and I are old friends, and he knows that I am=20
> just having fun
> with him. I just could not let this opportunity pass.)

>=20
> 72, Doug
>=20
>=20

Date: Tue, 17 Dec 2002 09:48:21 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142371] RE: Washington Post Article on Amateur Radio
Message-ID: <721D3436A7C2B344A301FD4A413C71A9ADF37C@kosh.ARRLHQ.ORG>
Content-Class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> But when you give a bit of the history of amateur licensing=20
> you should give the whole picture, not just that from one period of =
time.
>=20
> Before you took your test the test were in fact harder. You=20
> even had to draw schematics!

Yes, indeed, ham radio was once somewhat harder to enter. Of course, I =
was talking about 1963, so if it was dumbed down then, can we safely say =
that ham radio has only been ruined for 4 decades running now? :-) Also, =
I am not sure how much harder, because the study guide I have from the =
1930s is no more than a pamphlet. Anyone could have memorized over 1100 =
schematics to pass the 1930s tests without understanding, just as they =
are memorizing 1100 questions today without learning anything. :-)

Of course, back then, we had only a few tens of thousands of hams. Would =
we really want to go back to that era? We already have all of the hams =
who could have passed those 1940s tests in our ranks today -- and a =
whole lot more. As I listen to the problems on the air today, I don't =
see any correlation between the tests people took to enter ham radio and =
what they are doing with their licenses today. The Riley Letters go to =
as many old timers as newcomers.

If in 1963, a rudimentary knowledge of the radio technology of the day =
was sufficient, why not today? We are testing at least an order of =
magnitude more than we did when I was licensed. How much harder do we =
have to make it on newcomers before they are not "dumbed down?"

But let's put this to the acid test, and find out how a pre-1960s tested =
ham fares. The pre-60s tests were a reasonable test of the radio =

technology of the day. So, let me ask you two questions that are =
appropriate to today's radio technology.=20

1. In the far field of an antenna in free space, the electric field is =
at a level of 10 volts/meter 100 feet from the antenna. What will the =
field be at a distance of 200 feet from the antenna?

2. Draw from memory the block diagram of a direct-sequence, =
spread-spectrum transmitter.

The second question is, btw, a fair one because it is as much related to =
today's mainstream non-ham technology as were the schematics you had to =
draw to the non-ham technology of that era.

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Ron KU7Y [mailto:ku7y@tds.net]

> Sent: Monday, December 16, 2002 8:14 PM

> To: Hare,Ed, W1RFI; Low Power Amateur Radio Discussion

> Subject: Re: Washington Post Article on Amateur Radio

>=20

>=20

> Hi Ed,

>=20

> But when you give a bit of the history of amateur licensing=20

> you should give the

> whole picture, not just that from one period of time.

>=20

> Before you took your test the test were in fact harder. You=20

> even had to draw

> schematics!

>=20

> Then the tests were made easier and after that they went up=20

> hill a ways.

>=20

> (I too know Ed and we really are friends. We have covered=20

> this in length over

> several cups of coffee over the years!) :-)

>=20
> Oh, in case you haven't had the pleasure of meeting Ed, he=20
> really is a very nice
> guy and one of the best spokesmen for the ARRL and the hobby=20
> in general.
>=20
> OK, back in my hole.....
>=20
> 73,
>=20
> Ron, KU7Y
> ku7y@qsl.net
> Brenda, AZ (or somewhere close!)
> <http://www.qsl.net/ku7y>
>=20
>=20
>=20

Date: Tue, 17 Dec 2002 09:51:42 -0500
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-l@Lehigh.EDU
Subject: [142372] Re: Heathkit RLC bridge
Message-ID: <3DFF39FE.35937F5E@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cannot answer that, but you can get schematic (at least one on an RLC Bridge)
at:
<http://www.circuitarchive.co.uk/heath.htm>
73,
Ed, K2MGM.

Date: Tue, 17 Dec 2002 06:59:50 -0800 (PST)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [142373] Now Showing - The ARS Sojourner
Message-ID: <20021217145950.48074.qmail@web12104.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The December edition of the Adventure Radio Society's monthly web
magazine, The ARS Sojourner, is live, in color and hot off the press

at:

<http://www.natworld.com/ars>

Here's a look at this month's content:

- + NEW! Spartan Sprint winner certificates
- + Oklahoma Odyssey, by John Harper, AE5X
- + Making the SW-40+ Competition Ready, by Dr. Bob Armstrong, N7XJ
- + Glow-in-the-dark Panels for Field Radios, by Bill Jones, KD7S
- + In Praise of the LED Headlamp, by Dr. Bob Armstrong, N7XJ
- + Results and soapbox comments from the December Spartan Sprint, with special recognition of champs N4BP (Skinny Division) and NC7J (Tubby Division)
- + The new, updated Spartan Sprint Logger, by John Huffman, K8HJ
- + From Our Vantage Point: Winter beauty, The ARS Sojourner
- + Who's Who and Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN
- + Wilderness Alerts for December, 2002

On behalf of ARS webmaster Charlie Wilber, N1AOK, contest manager John Huffman, K8HJ, The ARS Sojourner staff and contributing writers, we hope you enjoy the last edition of 2002. As always, we appreciate your feedback and editorial contributions for coming editions.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Date: Tue, 17 Dec 2002 10:16:12 -0500

From: Alex <kr1st@amsat.org>
To: w1rfi@arrl.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142374] Re: Washington Post Article on Amateur Radio
Message-ID: <3DFF3FBC.E401DC7@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

"Hare,Ed, W1RFI" wrote:

> The Riley Letters go to as many old timers as newcomers.

Does the ARRL match these letters to their membership database and/or third party databases?

73,
--Alex KR1ST

Date: Tue, 17 Dec 2002 08:16:59 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'Lenny Wintfeld'" <w2bvh@comcast.net>
Cc: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [142375] RE: Filter Parameter (follow-up)
Message-ID: <7FD24C15A06DD511BF9E00D0B73E995206FBFD08@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

The 4x reactance is so that the transformer will not "eat" power. The transformer needs to have more reactance than the load it is transforming or it will start contributing significantly to the loss.

You can get by with much less inductive reactance if the transformer is tuned to resonance. However, it can eat power also. A tuned circuit has an "equivalent" loss across it of $XL * QL$. The loss in the inductor tends to dominate since Cs usually have much higher Qs .

If the Q of a T50-6 type core is assumed to be 200, and your tube load is 10K, and you want ~ 1 db of loss in the tuned circuit, then you might pick $XL * QL$ to be about 50K (5x the tube load). Thus XL is now 250 ohms. This much less reactance than you were dealing with before.

Notice you had to come up with 40K of pure inductive reactance

before when using a broadband transformer. Now with a tuned circuit, you have Q working for you in addition to the inductive reactance, which means the inductance can be lower by a factor of Q.

$$XL = 2 \times 3.14 \times F \times L$$

On 40m, L is 5.7 uH (much smaller than 900 uH!) which requires about 90 pf to resonate. On a T50-2 core, I think that is somewhere around 37 turns, which is still a lot, but is a much more practical approach than the broad band transformer when dealing with the high output impedance of a tube.

- Dan

> -----Original Message-----

> From: Lenny Wintfeld [mailto:w2bvh@comcast.net]

> Sent: Monday, December 16, 2002 5:39 PM

> To: Tayloe Dan-P26412

> Subject: Re: Filter Parameter (follow-up)

>

>

> Hi Dan

>

> Thanks for the advice. I checked over the info on broadband

> transformers

> and on pi-nets in the Handbook and what you recommend makes sense.

>

> But I'm still confused over one issue: Do you know where the 4x

> recommendation comes from ? They say do 4x but don't say why. I was

> wondering if I could do 1x if using a transformer at a

> single frequency

> (narrow band).

>

> Lenny W2BVH

>

> Tayloe Dan-P26412 wrote:

>

> >With an output impedance of 5K to 10K for a tube, it would

> be difficult

> >to use a broadband transformer to convert to 50 ohms. I say

> this because

> >the inductive reactance of the primary winding needs to be

> at least 4x

> >that of the impedance that is being converted.

> >

> >A transformer is easy with the low impedance of a

> transistor, but much

> >more difficult with the high impedance of a tube.
> >
> >If the source had a 10K impedance, the winding on the
> transformer would
> >need to have at least 40K of reactance ($X = 2 \times 3.14 \times F \times L$). On
> 40m, this
> >would lead to an inductance of 910 uH, which is kind of big. This is
> >something like 40 turns on a FT43-37 ferrite core.
> >
> >It might work out. However, with such a large inductance,
> it might have
> >a poorly placed HF resonance, since it would take very
> little stray C to
> >resonate it to a potentially bad frequency.
> >
> >I think a better approach would be to use the typical tube
> Pi network to
> >get the 10K down to 50 ohms (equations are in the Handbook),
> then use the
> >ARRL handbook 50 ohm filters behind it, perhaps a five
> section filter
> >(3 Cs, 2 Ls).
> >
> >- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions.
> >
> >
> >
>
>

Date: Tue, 17 Dec 2002 10:20:01 -0500
From: Alex <kr1st@amsat.org>
To: eroswell@monmouth.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142376] Re: Heathkit RLC bridge
Message-ID: <3DFF40A1.31D5A6EB@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Actually, you did answer the question for the unit I have. When I read your post I realized that the manual and schematic that came with the RLC bridge was full of check marks. So this must have been built from a kit. Thanks for the link! Very nice site with lots of good info.

Thanks and 73,

--Alex KR1ST

"E. Roswell" wrote:

>

> Cannot answer that, but you can get schematic (at least one on an RLC Bridge)

> at:

> <http://www.circuitarchive.co.uk/heath.htm>

> 73,

> Ed, K2MGM.

Date: Tue, 17 Dec 2002 10:37:54 -0500

From: "AI2Q Alex" <ai2q@adelphia.net>

To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>

Cc: <kr1st@amsat.org>

Subject: [142377] RE: Heathkit RLC bridge

Message-ID: <001e01c2a5e2\$4508ed00\$6401a8c0@alex>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Alex:

(1) Many of the Heathkit items were almost hermetically sealed (well, not quite) by means of tight-fitting cabinets. As such, some old Heath gear looks new inside. I recently bought a Heath Q-meter from the ARRL lab that looks that way inside. All I did was free up the gummed-up vernier on the unit's variable capacitor, and then calibrate the unit. It works like a champ now in my shop even after almost fifty years. Unlike the much better Boonton Q meters, it doesn't have a hard-to-find (and usually defective) thermocouple. The Heath Q meter is perfectly serviceable for most ham radio tasks.

(2) When I worked on the bench as a Heath service technician at the Jericho Heathkit store during the mid-1970s, we would occasionally sell a completed kit as a "factory wired" item. These were usually store demo kits built by us techs, or kits that were returned for some reason and then refurbished by the technicians. Many of the other 42 Heathkit retail stores did the same.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Alex

Sent: Tuesday, December 17, 2002 10:20 AM

To: Low Power Amateur Radio Discussion

Subject: Re: Heathkit RLC bridge

Actually, you did answer the question for the unit I have. When I read your post I realized that the manual and schematic that came with the RLC bridge was full of check marks. So this must have been built from a kit. Thanks for the link! Very nice site with lots of good info.

Thanks and 73,

--Alex KR1ST

"E. Roswell" wrote:

>

> Cannot answer that, but you can get schematic (at least one on an RLC Bridge)

> at:

> <http://www.circuitarchive.co.uk/heath.htm>

> 73,

> Ed, K2MGM.

Date: Tue, 17 Dec 2002 09:40:44 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: W2WU <w2wurjj@verizon.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [142378] Re: OT: Echolink

Message-ID: <Pine.LNX.4.33.0212170938590.4722-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ron...I run ECHOLink every now and then...I downloaded it into the Program files and have an icon on my Desktop...it's easy to set up and works well...although it's not amateur radio, it's another tool for us to use...Merry Christmas and Happy New Year!...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

On Mon, 16 Dec 2002, W2WU wrote:

> Has anyone experience with this program? Any recommendations what folder it
> works best in with a Win98 O/S? 73, Ron
>
>

Date: Tue, 17 Dec 2002 10:54:23 -0500
From: "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
To: qrp-l@lehigh.edu
Subject: [142379] FS
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE1330265CB8C@BINCMDGNOREXC02>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

More items found in post-move cleaning and sorting. All plus
shipping/insurance from 30004.

Thanks,

Steve AA4BW

>> RECEIVERS

RECEIVER. Ramsey 40-meter direct conversion receiver board. Uses 9V battery.
Built by me, works fine. \$15

RECEIVER. Ramsey 80-meter direct conversion receiver. Includes matching
cabinet. Uses 9V battery. Works fine. Manual. \$19.

RECEIVER. Vectronics 40-meter receiver board, built by me from kit. Tunes
with variable cap. Uses 9V battery. Manual. Built by me, works fine. \$19

RECEIVER. Ramsey "Aircraft Band Receiver Kit," built by me a few years ago
but never even powered up (sure sign of too many projects!) and so
untested/unaligned. With manual. \$19.

All four receivers (the three Ramsey's and one Vectronics) as a batch for
\$59.

>> PARTS

10-TURN POT. Bourne 10-turn pot, 200 ohm. Removed from equipment, works fine. \$2.

1625 TUBES. Box of six 1625 tubes. No way to test. \$8.

6146 TUBE. One RCA 6146A. Believed good, as I did not keep bad tubes, but no way to test so as-is. \$4.

>> METERS

METER. Triplett, 0-100 ua, round face 2-5/8 dia, mounts in 2.25 inch hole. \$4.

METER. Lafayette, 0-10 volts. Meter face rectangular 2.25x1.75. Mounts in round hole 1.5 in. \$3

METER. Simpson 0-500 ua. 2-5/8 round face, mounts in hole about 2.25 inches in dia. Appears to be new in box, with hardware still in bags. \$5

All 3 meters \$10 as a batch.

Date: Tue, 17 Dec 2002 11:21:04 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: <kr1st@amsat.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142380] RE: Washington Post Article on Amateur Radio
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ED10F@kosh.ARRLHQ.ORG>
Content-Class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> Does the ARRL match these letters to their membership database and/or
> third party databases?

Not on a regular basis. I based my observation on the call signs and =
assumed that most of the old-sounding 1X3s and 2X2s were not of recent =

vintage. Naturally, many of the exam violations are pretty obviously =
new hams. :-)

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Alex [mailto:kr1st@amsat.org]
> Sent: Tuesday, December 17, 2002 10:16 AM
> To: Hare,Ed, W1RFI
> Cc: Low Power Amateur Radio Discussion
> Subject: Re: Washington Post Article on Amateur Radio
>=20
>=20
> "Hare,Ed, W1RFI" wrote:
>=20
> > The Riley Letters go to as many old timers as newcomers.
>=20
> Does the ARRL match these letters to their membership database and/or
> third party databases?
>=20
> 73,
> --Alex KR1ST
>=20

Date: Tue, 17 Dec 2002 11:53:10 -0500
From: "kw3u@warwick.net" <kw3u@warwick.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142381] OT: wanted AADE meter/trade 630VOM
Message-ID: <3DFF5676.8A12E202@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all; back to building mode for winter. I need a decent LCR meter so
I was thinking I have a new inbox Triplet mod 630 analog VOM that maybe

I could trade for something like the AADE lcr meter?

Tnx Jim kw3u

Date: Tue, 17 Dec 2002 11:59:26 -0500
From: "kw3u@warwick.net" <kw3u@warwick.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142382] QST article query
Message-ID: <3DFF57EE.EBB46B49@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

During a qso today a fellow described one of his vintage rigs; a bc-474; and I was wondering if thats the one that was in QST not too long ago in an article, a field setup and old army pictures? Unfortunately I only keep the last two issues of QST's (rest go to the club meetings) so I can't check.

Thanks for any info , if it is the bc474 perhaps I could trade one or two of the 1930's qsts i picked up to read, for it.

72 Jim kw3u

Date: Tue, 17 Dec 2002 12:52:54 -0400
From: "Prof. Arnaldo Coro Antich" <inforhc@ip.etcasa.cu>
To: <kr1st@amsat.org>
Cc: <qrp-L@LeHigh.edu>
Subject: [142383] Re: Heathkit RLC bridge
Message-ID: <01fe01c2a5ec\$bf53cbc0\$02000a0a@user>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear amigo:

You have at hand now a most useful test instrument, even in the era of digital -do all- multimeters.

A RLC bridge will provide information regarding the ""health"" of components that no digital fancy instrument will give to you so nicely, like the TANGENT of DELTA of capacitors, that is the angle of the dielectric loss ...

in other words a good approximation to the REAL LIFE quality of the capacitor at the moment you are testing it.
Also the inductance of components can be measured , something that will make you join me in making your own coils when homebrewing equipment...
I happen to have a very nice laboratory quality professional RLC bridge and give it a lot of use .

72 and DX

YOur friend in Havana

Arnie Coro

C02KK

Heard frequently around 10.105

or 10.116 kHz QRP !!!

----- Original Message -----

From: "Alex" <kr1st@amsat.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, December 17, 2002 9:30 AM

Subject: Heathkit RLC bridge

> Hi there,

>

> I'm from the post-Heathkit era, so I know very little about this

> company. From what I do know, I wish they were still around.

>

> Anyway, I picked up this RLC bridge at a yard sale for 3 bucks and it is

> in immaculate shape. It had only a few stains that were easily removed

> with a wet paper towel, and two very very thin scratches on the meter

> that could easily be removed if I were really bothered by it. I opened

> it up because I thought that it probably could use a cleaning on the

> inside. Not a speck of dust! I took the PCB board out to inspect the

> solder connections. Textbook work, and the solder was still as shiny as

> if it was built this morning.

>

> Now someone told me that Heathkit also used to sell their kits as ready

> built products. I was wondering if anyone on here would know if that was

> also true for their RLC bridges.

>

> Thanks and 73,

> --Alex KR1ST

>

Date: Tue, 17 Dec 2002 12:50:50 -0600

From: KD5NWA <KD5NWA@cbayona.com>

To: qrp-l@lehigh.edu

Subject: [142384] Antenna setup help - long

Message-ID: <5.2.0.9.0.20021217122203.00a81d08@mail.arkansasusa.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello, I'm finally settling in my new house, and getting ready to setting up my antennas, I would like some opinions on what to setup, I live in NW Arkansas, which puts it right about the center of the US.

The house sits in a 150' by 130 clearing, the rest are trees about 60 feet high. I want to setup some balanced antennas if possible. The main problem I see is that if I put a 40 meter dipole or inverted V about 40 to 50 feet high, the signal mostly goes straight up, I have noticed that many have similar setups and you seem to be doing ok, so what do you think? The only antennas that give a good pattern that is low to the horizon is a vertical (not affordable right now) and a 1/4 wave sloper (not balanced, need several pointing in different directions), full wave loop (again directional) . I was thinking of using #16, or #14 solid copperweld wire for the antenna.

I am going to setup a 80 meter Inverted V , and two 20 meter dipoles at right angles to each other, and these are no problem, at 20 I can get enough height, at 80 I want it to be a cloud warmer, it is the 40meter antenna that I need some help with.

I was thinking that later I could get something like a Cushcraft R8 vertical 40-6 meter vertical, any experiences with it?

Thanks

Cecil
KD5NWA

Date: Tue, 17 Dec 2002 14:06:10 EST
From: WA6GER@aol.com
To: qrp-l@lehigh.edu
Subject: [142385] Want: MFJ 2 mtr SSB Xcvt
Message-ID: <1c3.330c6e4.2b30cfa2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Please let me know off line with electrical and cosmetic particulars and price being asked.

Thanks Much and Happy Holidays!

jim, WA6GER

Date: Tue, 17 Dec 2002 14:18:15 -0500
From: "Hartwell, Martin E, ALCAS" <mehartwell@att.com>
To: <qrp-1@lehigh.edu>
Subject: [142386] For Sale
Message-ID: <6579C6377F475547985F0B3E426E162632859F@0CCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Hi

I have decided to go with a single keyer for all of my rigs. So I have =
assembled a super
cmos keyer with memories.
So with that in mind I am going to see if anyone is interested in a =
couple of my old keyers.

Item 1

Codeboy keyer, I have the keyer, documentation (I think). I can take =
digital pictures for
anyone interested. This is small with an internal battery, with plugins =
on the back for the
paddle (mini stereo plug), keyer out (phono plug) and hand key in, (mini =
mono plug). On the=20
front is a speed control. There is no sidetone with unit, I believe it =
is mode b, but it may
be selectable with a shorting bar inside. I want \$35.00 including =
shipping within US, payable by money order.

Item 2

Curtus keyer, built into a Ten Tec case, external speed control, mini =
stereo plug for paddle.
Pictures on request also. Asking \$30.00 including shipping. Payable by =
money order.

Marty Hartwell kd8bj
mehartwell@att.com
AT&T Columbus Ohio
PH:614-501-2503

Date: Tue, 17 Dec 2002 14:29:32 EST
From: IamSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [142387] Re: FS: Ten-Tec 1320 Portable QRP CW Transceiver
Message-ID: <151.190e552f.2b30d51c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/17/02 12:05:42 AM Eastern Standard Time,
lourette@localnet.com writes:

<<

Enjoy the world of QRP CW with this wonderful quality rig. This super-het rig is currently tuned from approximately 14.020 - 14.070, which covers the QRP watering hole. It is great for taking camping (although this one never saw the outside of my shack). See my Ebay ad for more details.

>>

If your going to post it here why not just say what you want for the rig?
If someone here offered you \$100.00 would you take it now or wait until you see if another person will bid higher?

This list is going down the tubes (No pun intended)

Bob

AF2Q

Date: Tue, 17 Dec 2002 14:59:23 -0500
From: "Bob Schreibmaier" <k3ph@ptd.net>
To: <qrp-1@lehigh.edu>, "KD5NWA" <KD5NWA@cbayona.com>
Subject: [142388] Re: Antenna setup help - long
Message-ID: <000801c2a606\$db7cd0c0\$6800a8c0@msns.leh.ptd.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Cecil,

> The house sits in a 150' by 130 clearing, the rest are trees about 60 feet
> high. I want to setup some balanced antennas if possible. The main problem
> I see is that if I put a 40 meter dipole or inverted V about 40 to 50 feet
> high, the signal mostly goes straight up, I have noticed that many have
> similar setups and you seem to be doing ok, so what do you think?

> The only antennas that give a good pattern that is low to the horizon is a
> vertical (not affordable right now) and a 1/4 wave sloper (not balanced,
> need several pointing in different directions), full wave loop (again
> directional) . I was thinking of using #16, or #14 solid copperweld wire
> for the antenna.

A 40-meter dipole at 50 feet will do quite well. The takeoff angle
for a horizontal dipole over average ground is approximately:

$\arcsin(\text{wavelength}/4 \times \text{height})$

At 50 feet, that will be somewhere around 45 degrees. I know that's
not low, but I can tell you from experience that you can work lots of
DX with such a setup.

Of course, if you wanted to try a vertical for 40 meters, you wouldn't
have to buy one. You could bottom feed 33 feet of wire set against
as many radials as you could reasonably put down. Just suspend the
vertical wire from a tree. This works well.

Just as a personal opinion, I wouldn't use smaller than 14 gauge
wire. And, I hate copperweld. 8^)

Good luck with whatever you choose.

72/73,
Bob

```
+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net      |
| Kresgeville, PA 18333 | http://home.ptd.net/~k3ph |
+-----+
```

Date: Tue, 17 Dec 2002 12:06:47 -0800
From: <ac7a@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [142389] OT: Sept. 1994 QST
Message-ID: <Springmail.0994.1040155607.0.96380400@webmail.pas.earthlink.net>

Howdy,

Every 5 years or so I grab my old QST's and start ripping them apart. I save
the articles that look interesting and send the carcasses to the recycle bin.
Indeed barbaric, but I don't have the room to store them.

Well, I saved a neat article from the July 1994 QST called, "The null steerer revisited." Unfortunately, there were some resistor values missing from the article. There was a "Feedback" associated with this article in September 1994 QST, but that one was long ago recycled. I expect that the missing component values were presented in that feedback.

If anyone has a QST collection or the CD's with 1994, would you mind looking up the values of R3, R4, and R7? This would be a big help to me.

Thanks and Season's Greetings,

Thomas - AC7A (Tucson)

Date: Tue, 17 Dec 2002 13:29:51 -0700
From: Marty and Vickie Rosenzweig <marty@cmn.net>
To: qrp-1@lehigh.edu
Subject: [142390] Re: OT: Sept. 1994 QST
Message-ID: <3DFF893F.7F3A509B@cmn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Thomas,
>From 9/94 Feedback:

R3	200 Ohms
R4	100 Ohms
R7	1K Ohms

And in the same Feedback: Core for T4 is the same as T1-T3, FT 23-43

Have fun!

Marty
W00Q

> If anyone has a QST collection or the CD's with 1994, would you mind looking
> up the values of R3, R4, and R7? This would be a big help to me.
>
>

Date: Tue, 17 Dec 2002 14:29:39 -0600
From: <sjolin@swbell.net>
To: <k3ph@ptd.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142391] Re: Antenna setup help - long
Message-ID: <020301c2a60b\$06391310\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Bob Schreibmaier" <k3ph@ptd.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 17, 2002 1:59 PM
Subject: Re: Antenna setup help - long

> At 50 feet, that will be somewhere around 45 degrees. I know that's
> not low, but I can tell you from experience that you can work lots of
> DX with such a setup.

Before I went to the Butternut vertical some ten years ago, I had a random wire about fifteen feet in the air and I worked plenty of dx on 40 meters. Even worked dx with it when the ice took it down and it was laying on my roof for a week. Only thing you have to overcome to work dx on 40 is to tune down the band to the extra segment where most of the activity is. There is plenty of dx on 40 just about every night.

BTW, I once worked Cuba using qrp into an Isotron in my basement and French Polynesia with the same antenna sitting on my deck. Getting on the air with "something" is more important than squeezing every last db from whatever you are using.

73 de Dave, N0IT

Date: Tue, 17 Dec 2002 15:17:24 -0500
From: "W2WU" <w2wurjj@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142392] Thank You EchoLink
Message-ID: <002f01c2a60b\$2cc2a500\$c400a8c0@vaio>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to the many respondents. It's loaded. 73, Ron

Date: Tue, 17 Dec 2002 16:05:41 -0500
From: Alex <kr1st@amsat.org>
To: w1rfi@arrl.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142393] Re: Washington Post Article on Amateur Radio
Message-ID: <3DFF91A5.B8936DCA@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

"Hare,Ed, W1RFI" wrote:

> 1. In the far field of an antenna in free space, the electric field is at a level of 10 volts/meter 100 feet from the antenna. What will the field be at a distance of 200 feet from the antenna?

Answer: It will be electric.

> 2. Draw from memory the block diagram of a direct-sequence, spread-spectrum transmitter.

Answer:

```

      -----
      | direct-sequence |
power ----| spread spectrum |----- Antenna
      | transmitter      |
      |-----|
              |
J-38 key -----
```

73, .oO(Phew!)
--Alex KR1ST

Date: Tue, 17 Dec 2002 21:41:39 -0000
From: "Hubert Smits" <hubert.smits@btinternet.com>
To: <inforhc@ip.etecsa.cu>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>

Subject: [142394] RE: Heathkit RLC bridge
Message-ID: <000101c2a615\$17e51b90\$0100000a@mynote>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Arnaldo,

Can you point us to some more detailed info on the use of an RLC bridge.
I obtained one (Marconi TF2700) as part of a large collection of parts
and instruments, and don't really know how to use it. Of course the
manual was gone. Any help appreciated.

72 de Hubert - MM0GMM

| -----Original Message-----
| From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]
| On Behalf Of Prof. Arnaldo Coro Antich
| Sent: 17 December 2002 16:53
| To: Low Power Amateur Radio Discussion
| Subject: Re: Heathkit RLC bridge
|
|
| Dear amigo:
| You have at hand now a most useful test instrument, even in
| the era of digital -do all- multimeters. A RLC bridge will
| provide information regarding the ""health"" of components
| that no digital fancy instrument will give to you so nicely,
| like the TANGENT of DELTA of capacitors, that is the angle of
| the dielectric loss ... in other words a good approximation
| to the REAL LIFE quality of the capacitor at the moment you
| are testing it. Also the inductance of components can be
| measured , something that will make you join me in making
| your own coils when homebrewing equipment... I happen to have
| a very nice laboratory quality professional RLC bridge and
| give it a lot of use . 72 and DX YOur friend in Havana Arnie
| Coro C02KK Heard frequently around 10.105 or 10.116 kHz QRP !!!
| ----- Original Message -----
| From: "Alex" <kr1st@amsat.org>
| To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
| Sent: Tuesday, December 17, 2002 9:30 AM
| Subject: Heathkit RLC bridge
|
|
| > Hi there,
| >
| > I'm from the post-Heathkit era, so I know very little about this

| > company. From what I do know, I wish they were still around.
| >
| > Anyway, I picked up this RLC bridge at a yard sale for 3
| bucks and it
| > is in immaculate shape. It had only a few stains that were easily
| > removed with a wet paper towel, and two very very thin scratches on
| > the meter that could easily be removed if I were really bothered by
| > it. I opened it up because I thought that it probably could use a
| > cleaning on the inside. Not a speck of dust! I took the PCB
| board out
| > to inspect the solder connections. Textbook work, and the
| solder was
| > still as shiny as if it was built this morning.
| >
| > Now someone told me that Heathkit also used to sell their kits as
| > ready built products. I was wondering if anyone on here
| would know if
| > that was also true for their RLC bridges.
| >
| > Thanks and 73,
| > --Alex KR1ST
| >
|

Date: Tue, 17 Dec 2002 15:45:35 -0600
From: "George, W5YR" <w5yr@att.net>
To: <w2wurjj@verizon.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142395] Re: Echolink
Message-ID: <012001c2a615\$a2f9d040\$0201a8c0@fairviewtx.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I use it on both W98SE and Me and it works very well. I am not sure what you are asking about a "folder" - when you download and install the program it goes into its own folder, of course. If you are using a router in LAN/WAN setup the some changes have to be made in the settings there, but otherwise, it is just install the program, load and go!

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
K2 #489 IC-765 #2349 IC-756 PRO #2121 IC-756 PRO2 #03235

----- Original Message -----

From: "W2WU" <w2wurjj@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 16, 2002 8:11 PM
Subject: OT: Echolink

> Has anyone experience with this program? Any recommendations what
folder it
> works best in with a Win98 O/S? 73, Ron
>
>

Date: Tue, 17 Dec 2002 16:01:39 -0600
From: "George, W5YR" <w5yr@att.net>
To: <eroswell@monmouth.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142396] Re: Heathkit RLC bridge
Message-ID: <015301c2a617\$e5c13ba0\$0201a8c0@fairviewtx.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This site also contains about every schematic, etc. for the Heathkit
of QRP rigs.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
K2 #489 IC-765 #2349 IC-756 PRO #2121 IC-756 PRO2 #03235

----- Original Message -----

From: "E. Roswell" <eroswell@monmouth.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, December 17, 2002 8:51 AM
Subject: Re: Heathkit RLC bridge

> Cannot answer that, but you can get schematic (at least one on an
RLC Bridge)

> at:
> <http://www.circuitarchive.co.uk/heath.htm>
> 73,
> Ed, K2MGM.
>

Date: Tue, 17 Dec 2002 18:27:33 EST
From: n5ib@juno.com
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Subject: [142397] RockMite lives
Message-ID: <20021217.172315.4631.0.n5ib@juno.com>

to: Baton Rouge LA RockMite builders
cc: QRP-L

A new 20 m RockMite is on the air, but not without some sleuthing.

Upon completion of assembly and successful passage of the smoke test, received signals were very weak, though sidetone was VERY loud. The usual suspect here is the receiver muting circuit - in this case Q3, C110, C111, C9, D7, R7, and Q1 - so that's where I started looking.

Proper voltage swings at the cathode of D7, but the anode is firmly at ground potential. OK check for solder bridges around Q1 and C9. None found. Ohmmeter shows dead short to ground at the top end of C9, regardless of meter lead polarity. With the luxury of a well enough stocked parts cache to sacrifice a couple of parts, I removed D7 and Q1 and clipped the loop in R7 so as to isolate C9. Still shorted to ground. Sacrificed C9. Still a short across the (now empty) C9 pads. OK, get out the 10x jewelers loupe and a bright light - just the shadow of a copper filament under the solder mask near the + pad of C9. Ran the point of a hobby knife all around the pad and along the trace for a few millimeters, with some gentle scraping. No more short. Happy Dance??

Reinstalled a new Q1, D7, and C9, tacked R7 back together and applied power. Signals!
Key down. - 230 mW out @ 12.8 V supply. Now the Happy Dance!

On to first QS0, who will the lucky op be? 0100 Z tonight is the moment of truth.

72
Jim N5IB

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End of QRP-L Digest 2772

